

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/014479

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 7 C07C29/141 C07C29/17 C07C45/50 C07C45/74 C07C11/02		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b> Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07C		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EP0-Internal		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X  Y	US 2003/114718 A1 (BUSCHKEN WILFRIED ET AL) 19 June 2003 (2003-06-19) cited in the application  paragraphs '0007!, '0008!, '0010!, '0011!, '0019! - '0027!, '0030! - '0033!, '0035!, '0037! - '0046!, '0049!, '0050!, '0054! examples & AU 97176 01 A (OXENO OLEFINCHEMIE GMBH) 20 June 2002 (2002-06-20)	1-12, 17, 30-36, 40-45, 13-16, 18-29, 37-39
Y	US 4 684 750 A (ZGORZELSKI WOLFGANG ET AL) 4 August 1987 (1987-08-04)	18-29
X	the whole document	44
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Patent family members are listed in annex.</span>		
* Special categories of cited documents :  <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>*A* document defining the general state of the art which is not considered to be of particular relevance</p> <p>*E* earlier document but published on or after the international filing date</p> <p>*L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>*O* document referring to an oral disclosure, use, exhibition or other means</p> <p>*P* document published prior to the international filing date but later than the priority date claimed</p> </div> <div style="width: 45%;"> <p>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*G* document member of the same patent family</p> </div> </div>		
Date of the actual completion of the international search	Date of mailing of the international search report	
29 April 2005	11/05/2005	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Kardinal, S	

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International Application No

PCT/EP2004/014479

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 02/094740 A (MCMATH SARAH ELIZABETH JANE ; ANDERSON KRIS (GB); GOODRICH PETER (GB);) 28 November 2002 (2002-11-28)	37-39
X	page 26 - page 27	44
Y	GB 643 503 A (N.V. DE BATAAFSCHE PETROLEUM MAATSCHAPPIJ) 20 September 1950 (1950-09-20)	13-16
	page 3 - page 4; figure 3	
A	US 5 324 420 A (DE MUNCK ET AL) 28 June 1994 (1994-06-28)	1,42-45
	cited in the application the whole document	
A	GB 2 142 010 A (EXXON RESEARCH ENGINEERING CO) 9 January 1985 (1985-01-09)	1
X	cited in the application	44

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/014479

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003114718	A1	19-06-2003	DE 10062448 A1 AU 9717601 A BR 0106122 A CA 2364826 A1 CN 1358701 A CZ 20014421 A3 EP 1219584 A2 HU 0105338 A2 JP 2002241329 A MX PA01011619 A NO 20016130 A NZ 516068 A SG 96251 A1	20-06-2002 20-06-2002 13-08-2002 14-06-2002 17-07-2002 17-07-2002 03-07-2002 28-12-2004 28-08-2002 26-06-2002 17-06-2002 31-05-2002 23-05-2003
AU 9717601	A	20-06-2002	DE 10062448 A1 BR 0106122 A CA 2364826 A1 CN 1358701 A CZ 20014421 A3 EP 1219584 A2 HU 0105338 A2 JP 2002241329 A MX PA01011619 A NO 20016130 A NZ 516068 A SG 96251 A1 US 2003114718 A1	20-06-2002 13-08-2002 14-06-2002 17-07-2002 17-07-2002 03-07-2002 28-12-2004 28-08-2002 26-06-2002 17-06-2002 31-05-2002 23-05-2003 19-06-2003
US 4684750	A	04-08-1987	DE 3530839 A1 AT 61328 T AU 587748 B2 AU 6203486 A BR 8604095 A CA 1258873 A1 CS 8606140 A2 DE 3677864 D1 EP 0216151 A2 ES 2002724 A6 HR 940740 A1 HU 42045 A2 JP 1509566 C JP 62051632 A JP 63057411 B KR 8903749 B1 RO 94395 A1 YU 147686 A1 ZA 8606387 A	05-03-1987 15-03-1991 24-08-1989 05-03-1987 14-04-1987 29-08-1989 12-01-1989 11-04-1991 01-04-1987 01-10-1988 30-06-1997 29-06-1987 26-07-1989 06-03-1987 11-11-1988 04-10-1989 30-06-1988 29-02-1988 29-04-1987
WO 02094740	A	28-11-2002	CA 2446835 A1 EP 1387819 A2 WO 02094740 A2 JP 2004533455 T US 2004267034 A1	28-11-2002 11-02-2004 28-11-2002 04-11-2004 30-12-2004
GB 643503	A	20-09-1950	NONE	
US 5324420	A	28-06-1994	GB 2246307 A AU 663056 B2	29-01-1992 28-09-1995

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/014479

Patent document cited in search report.	Publication date	Patent family member(s)	Publication date
US 5324420	A	BR 9106700 A	08-06-1993
		CA 2088064 A1	28-01-1992
		DE 69115492 D1	25-01-1996
		DE 69115492 T2	15-05-1996
		EP 0542794 A1	26-05-1993
		JP 3220140 B2	22-10-2001
		JP 6502392 T	17-03-1994
		KR 197450 B1	15-06-1999
		AT 131467 T	15-12-1995
		AU 8317091 A	02-03-1992
		WO 9202478 A1	20-02-1992
		MX 9100393 A1	28-02-1992
<hr/>			
GB 2142010	A	09-01-1985	NONE
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